



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sheu, *et al.* Docket No.: TSM03-0140
Serial No.: 10/619,828 Art Unit: 2829
Filed: July 15, 2003 Examiner: Dana Farahani
For: Self-Aligned MOSFET having an Oxide Region below the Channel

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants wish to bring to the attention of the U.S. Patent and Trademark Office the information noted on the enclosed PTO Form PTO/SB/08A & 08B, which may be considered material to the examination of the above-identified application.

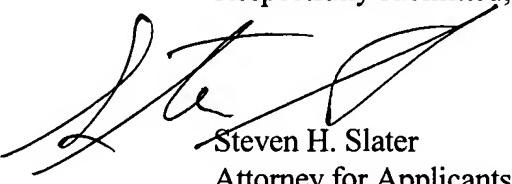
This Information Disclosure Statement is submitted under 37 C.F.R. §1.97(c) together with a \$180.00 fee under 37 C.F.R. §1.17(p) after the C.F.R. §1.97(b) time period, but before final action or notice of allowance, whichever occurs first.

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05/20/2005 NNGUYEN1 00000051 501065 10619828
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May 16, 2005

Respectfully submitted,


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STATEMENT BY APPLICANT**

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of

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Complete if Known

Application Number	10/619,828
Filing Date	7/15/2003
First Named Inventor	Sheu, et al.
Art Unit	2829
Examiner Name	Farahani, Dana

Attorney Docket Number TSM03-0140

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
1	US-4,069,094		01-17-1978	Shaw et al.	
2	US-4,497,683		02-05-1985	Celler et al.	
3	US-5,155,571		10-13-1992	Wang et al.	
4	US-5,378,919		01-03-1995	Ochiai	
5	US-5,479,033		12-26-1995	Baca et al.	
6	US-5,789,807		08-04-1998	Correale Jr.	
7	US-6,111,267		08-29-2000	Fischer et al.	
8	US-6,256,239 B1		07-03-2001	Akita et al.	
9	US-6,339,232 B1		01-15-2002	Takagi	
10	US-6,407,406 B1		06-18-2002	Tezuka	
11	US-6,475,869 B1		11-05-2002	Yu	
12	US-6,518,610 B2		02-11-2003	Yang et al.	
13	US-6,525,403 B2		02-25-2003	Inaba et al.	
14	US-6,573,172 B1		06-03-2003	En et al.	
15	US-6,576,526 B2		06-10-2003	Kai et al.	
16	US-6,600,170 B1		07-29-2003	Xiang	
17	US-6,657,276 B1		12-02-2003	Karlsson et al.	
18	US-6,720,619 B1		04-13-2004	Chen et al.	
19	US-6,724,019 B2		04-20-2004	Oda et al.	
20	US-6,759,717 B2		07-06-2004	Sagarwala et al.	
21	US-6,762,448 B1		07-13-2004	Lin et al.	
22	US-6,794,764 B1		09-21-2004	Kamal et al.	
23	US-6,803,641 B2		10-12-2004	Papa Rao et al.	
29	US-5,273,915		12-28-1993	Hwang et al.	
30	US-5,338,960		08-16-1994	Beasom	
31	US-5,656,524		08-12-1997	Eklund et al.	
32	US-6,100,153		08-08-2000	Nowak et al.	
33	US-6,281,059		08-28-2001	Cheng et al.	
34	US-6,586,311		07-01-2003	Wu	
35	US-6,686,247		02-03-2004	Bohr	
36	US-5,708,288		01-13-1998	Quigley et al.	
37	US-5,955,766		09-21-1999	Ibi et al.	
38	US-6,521,952		02-18-2003	Ker et al.	
39	US-6,617,643		09-09-2003	Goodwin-Johansson	
40	US-6,633,070 B2		10-14-2003	Miura et al.	
41	US-6,784,101		08-31-2004	Yu et al.	
42	US-2005/0029601 A1		02-10-2005	Chen et al.	
43	US-2002/0031890 A1		03-14-2002	Watanabe et al.	
44	US-2002/0074598 A1		06-20-2002	Doyle et al.	
45	US-2002/0125471 A1		09-12-2002	Fitzgerald et al.	
46	US-2004/0026765 A1		02-12-2004	Currie et al.	
47	US-2004/0173815 A1		09-09-2004	Yeo et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/619,828
				Filing Date	7/15/2003
				First Named Inventor	Sheu, et al.
				Art Unit	2829
				Examiner Name	Farahani, Dana
Sheet	2	of	2	Attorney Docket Number	
TSM03-0140					

FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	50	LEITZ, C.W., et al., "Channel Engineering of SiGe-Based Heterostructures for High Mobility MOSFETs," Materials Research Society Symposium Proceedings, Vol. 686, 2002, pp. A3.10.1-A3.10.6.	
	51	LEITZ, C.W., et al., "Hole Mobility Enhancements In Strained Si/Si _{1-y} Ge _y P-Type Metal-Oxide-Semiconductor Field-Effect Transistors Grown On Relaxed Si _{1-x} Ge _x (x<y) Virtual Substrates," Applied Physics Letters, Vol. 79, No. 25, December 17, 2001, pp. 4246-4248.	
	52	LIU, K.C., et al., "A Novel Sidewall Strained-Si Channel nMOSFET," IEDM, 1999, pp. 63-66.	

Examiner		Date	
Signature		Considered	

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ***Applicant's unique citation designation number (optional).** ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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